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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,859	07/15/2003	Minoru Hasegawa	2500.68176	7727
7	590 11/22/2005		EXAMINER	
Patrick G. Burns, Esq.			TUPPER, ROBERT S	
GREER, BURNS & CRAIN, LTD. Suite 2500			ART UNIT	PAPER NUMBER
300 South Was	ker Dr.	2652	<u> </u>	
Chicago, IL 6	50606		DATE MAILED: 11/22/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/619,859	HASEGAWA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Robert S. Tupper	2652 ·				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period verailure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONED	l.  lety filed  the mailing date of this communication.  (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 12 Section 12 Section 1	1) Responsive to communication(s) filed on <u>12 September 2005</u> .					
2a) This action is FINAL. 2b) ☐ This	This action is FINAL. 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 2-5 and 14-17 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ⊠ Claim(s) 2-5 and 14-17 is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplished any accomplished may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	∩ □					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)         Paper No(s)/Mail Date     </li> </ol>	4)  Interview Summary Paper No(s)/Mail Da 5)  Notice of Informal Pa					

Art Unit: 2652

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 4, 5, 16, and 17 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by SASAKI (6,854,175).

Note the embodiment of figure 19a. SASAK Ishows a thin film magnetic head with a lower pole layer (8) having an auxiliary magnetic pole (not numbered) made of a nitride or composite material of a magnetic material and an oxide (see column 5 lines 59-65), a depression filled with a non-magnetic material (90), and an upper magnetic pole (12A,12C). The lower pole with auxiliary pole is formed by sputtering (see column 5 lines 44-46).

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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4. Claims 2, 3, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over SASAKI (6,854,175) in view of KAMIJIMA (6,549,370).

SASAKI shows a thin film magnetic head substantially as claimed. SASAKI differs in not specifying a material for the non-magnetic mass.

KAMIJIMA teaches that the non-magnetic mass used to set the gap depth can be either a photoresist or non-magnetic metal (see column 9 lines 6-7)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize either a photoresist or non-magnetic metal for the non-magnetic mass in SASAKI. The motivation is as follows: one of ordinary skill in the art would use any such known material where none was specified.

5. Applicant's arguments filed 9/12/05 have been fully considered but they are not persuasive.

Applicant argues that the amended claims define over SAITHO et al because the lower pole is not a nitride or composite material of a magnetic material and an oxide.

The recently issued patent to SASAKI shows a thin film head with a lower pole using nitride or a composite material of a magnetic material and an oxide. The claims have now been rejected using this reference.

Since Applicant only amended the claims to rewrite claims into independent form, this action is made non-final.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert S. Tupper whose telephone number is 571-272-7581. The examiner can normally be reached on Mon - Fri, 6:30 AM - 4:00 PM (first Fri off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert S Tupper Primary Examiner Art Unit 2652